METHOD AND SYSTEM FOR REMOTELY MANAGING COMMUNICATION OF DATA USED FOR PREDICTING MALFUNCTIONS IN A PLURALITY OF MACHINES

ABSTRACT OF THE DISCLOSURE

A method and system for managing communication of electronic data between a diagnostic service center and a plurality of mobile assets (10) generally remote relative to each other is provided. The electronic data comprises at least respective mobile asset data indicative of respective performance of the plurality of mobile assets. The mobile asset data used for detecting the presence of potential malfunctions which, if left uncorrected, would likely result in respective mission failures of the assets. The method allows for storing in a database (104) a list of respective cases to be processed. The method further allows for assigning to each case a respective download priority. A determining action allows for determining each case to be populated next with new mobile asset data based upon the assigned download priority. Respective executing actions allow for executing a download of the new mobile asset data between the diagnostic service center and a respective one of the mobile assets, and for executing predetermined analysis on the downloaded data for detecting the presence of respective potential malfunctions in the mobile assets. The download of data may be executed automatically whenever critical faults occur in the mobile assets.